

IN THE CLAIMS:

1.-12. (Cancelled)

13. (New) A fuel cell, comprising:

an anode for oxidizing liquid fuel;

a cathode for reducing oxygen; and

a generator *section* which constitutes an electrolyte membrane between the anode and the cathode,

wherein the fuel cell has a construction of a hollow support, the generator section is provided on wall side of the hollow support, oxygen is supplied to the anode from outside wall side of the hollow support, and the liquid fuel is supplied to the cathode via a holding material for holding the liquid fuel filled inside the hollow support.

14. (New) A fuel cell, comprising:

an anode for oxidizing liquid fuel; ✓

a cathode for reducing oxygen;

a generator section which constitutes an electrolyte membrane between the anode and the cathode; and

a vessel which stores the liquid fuel,

wherein the generator section is provided on wall side of the hollow support, oxygen is supplied to the anode from outside wall side of the hollow support, and the liquid fuel is supplied to the cathode via a holding material for holding the liquid fuel filled in inside the hollow support.

15. (New) A fuel cell, comprising:

an anode for oxidizing liquid fuel;

a cathode for reducing oxygen; and

a generator section which constitutes an electrolyte membrane between the anode and the cathode,

wherein oxygen is introduced front at least two sides of the fuel cell to generate electricity.

16. (New) A fuel cell, comprising:

an anode for oxidizing liquid fuel;

a cathode for reducing oxygen; and

a generator section which constitutes an electrolyte membrane between the anode and the cathode,

wherein the fuel cell has a construction of a hollow support, the generator section is provided on wall side of the hollow support, oxygen is supplied to the anode from outside wall side of the hollow support, and the liquid fuel is supplied to the cathode via a holding material for holding the liquid fuel filled in inside the hollow support.

17. (New) The fuel cell generator according to Claim 13, wherein a diffusion layer is disposed on the surface of the cathode.

18. (New) The fuel cell according to Claim 13, wherein the hollow support has electronic conductivity.

19. (New) The fuel cell according to Claim 13, wherein a plurality of generator sections comprising the anode, electrolyte membrane, and cathode are disposed on the outer peripheral surface of said hollow support, and the generator sections are electrically connected to each other.

20. (New) A portable electronic equipment comprising a secondary cell charged by a battery charger containing the fuel cell according to Claim 13.

21. (New) A portable electronic equipment driven by the fuel cell according to Claim 13.

22. (New) A fuel cell, comprising:
an anode for oxidizing liquid fuel;
a cathode for reducing oxygen; and
a generator section which constitutes an electrolyte membrane between the anode and the cathode,

wherein an exhaust hole of a gas-liquid separation type is provided on wall side of the fuel cell.

23. (New) A fuel cell, comprising:
an anode for oxidizing liquid fuel;
a cathode for reducing oxygen;
a generator section which constitutes an electrolyte between the anode and the cathode; and

a vessel which stores the liquid fuel,
wherein an exhaust hole of a gas-liquid separation type is provided on wall
side of the fuel cell.